

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A biosensor for detecting contents of biochemical components in a sample, comprising:

an electrically insulating substrate;

~~an anode~~ a working electrode disposed on said substrate ~~wherein said anode is formed with, on both ends of the anode, a working electrode and an anode connector respectively;~~

~~a cathode~~ a reference electrode disposed on said substrate ~~wherein said cathode which is formed with, on both ends of the cathode, a reference spaced from said working electrode and a cathode connector respectively;~~

a reaction layer disposed on said working electrode and said reference electrode, wherein said reaction layer and said electrodes form a reaction area for reacting with the sample;

an electrically insulating layer disposed on said substrate and having an opening for receiving the sample, ~~and an opening end wherein said insulating layer overlays the portion of said electrodes in the non-reaction area and said opening exposes~~ a portion of the said reaction area and the end of said opening is located at the edge of the biosensor; and

a reticular covering layer which covers said opening and the end of said opening of said insulating layer, wherein said reticular layer and said insulting layer form a sampling area from said reticular covering area to the edge of said ~~test-strip~~ biosensor.

2. (Currently amended) The biosensor of claim 1, wherein said substrate further has an indentation, a notch, or a protrusion, serving as a sample contact point, under the end of said opening ~~end in said insulating layer serving as a sample contact point.~~

3. (Currently amended) The biosensor of claim 1, wherein said working electrode has ~~an area a size the same as, that of said reference electrode or said working electrode has a smaller than or larger area than that of said reference electrode.~~

4. (Original) The biosensor of claim 1, wherein said reaction layer is made of a formula comprising an enzyme, a carrier, an electrical medium and a surfactant.

5. (Original) The biosensor of claim 4, wherein said carrier is a micro cellulose, methyl cellulose, carboxylmethyl-cellulose, starch, vinyl alcohol, vinyl pyrrolidone, PVA, PVP, PEG, or gelatin.

6. (Currently amended) The biosensor of claim 4, wherein said carrier ~~is~~ ranges from 0.05 weight percent to 1.5 weight percent of the formula.

7. (Original) The biosensor of claim 4, wherein said electrical medium is potassium ferricyanide.

8. (Original) The biosensor of claim 4, wherein said surfactant is Triton X-100, Triton C-405, Triton X-114, sodium lauryl sulfate, polyoxyethylenesorbitan monolaurate (Tween 20), Tween 40, Tween 60, Tween 80, or other water-soluble surfactant or detergent.

9. (Currently amended) The biosensor of claim 4, wherein said surfactant ~~is~~ ranges from less than 0.1 weight percent of the formula.

10. (Original) The biosensor of claim 1, wherein said electrically insulating layer is PP, PVC, PET, PC, PE, or other insulating plastic materials.

11. (Original) The biosensor of claim 1, wherein said electrically insulating layer has a thickness from 0.25 to 0.35 mm.

12. (Currently amended) The biosensor of claim 1, which further comprises a separating layer with an opening which is disposed on and overlays said insulting layer wherein said separating layer and said insulating layer form a space, wherein said opening in said separating layer overlays said opening in said insulating layer.

13. (Original) The biosensor of claim 1, wherein said reticular covering layer is made of a hydrophilic reticular material or a hydrophobic reticular material or metal wire reticular material.

14. (Currently amended) The biosensor of claim 1, wherein the reticular covering layer has 60 to 300 ~~screens~~ meshes.

15. (Currently amended) The biosensor of claim 1, wherein the reticular covering layer is a hydrophobic reticular material which is optionally processed by a surfactant, plasma or corona.

16. (Original) The biosensor of claim 15, wherein the surfactant is Triton X-100, 5 Triton X-405, Triton X-114, sodium lauryl sulfate, polyoxyethylenesorbitan monolaurate (Tween20),

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Tween40, Tween60, Tween80, or other water-soluble surfactant or detergent.

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Amendments to the Drawings:

The attached six sheets of drawings include changes to Figs. 1-4, 6, and 10-16. These Figs. 1-4, 6, and 10-16 replace the original Figs. 1-4, 6, and 10-16. Section view (b) or the corresponding section cut have been adjusted in one or another of Figs. 1-4, 6, and 10-16.

Attachment: Replacement sheets (12)  
Annotated sheets showing drawing changes (12)